



Opening statement from the European Commission

Global 5G Event
27 November 2018, Rio de Janeiro

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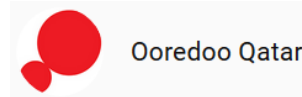
Head of Sector 5G Deployment Strategy

DG CONNECT/E1

European Commission

5G market deployment on the horizon

- Already some commercial 5G launches

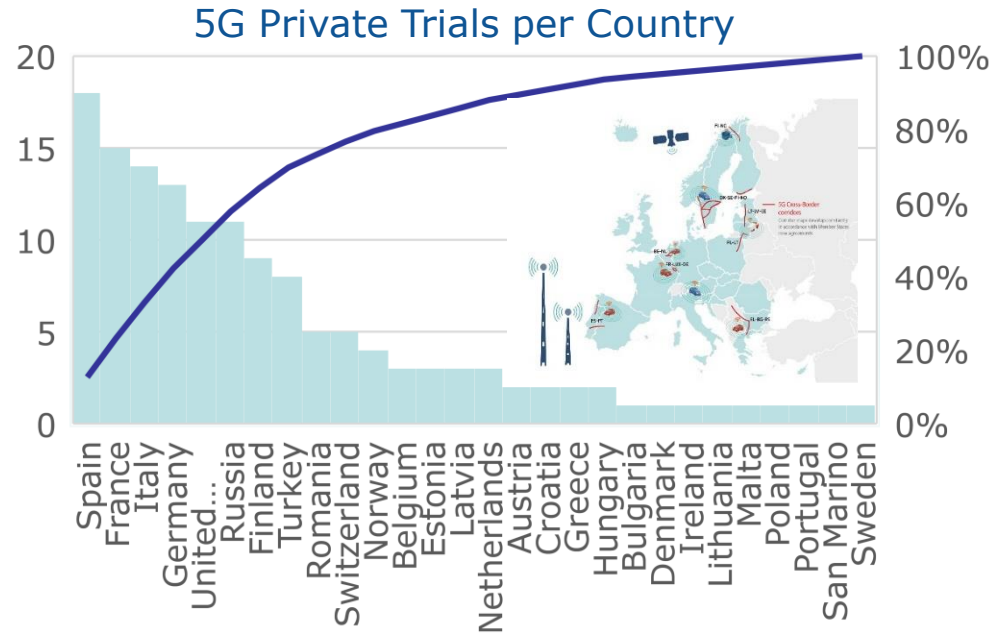


- WRC-19 & IMT-2020 as last global milestones before mass deployment of 5G

Europe in “full speed”

“5G Trialmania”!

- **140** Trials & pilots reported (Oct.)
- **20** pilot cities
- **10** digital cross-border corridors identified for Connected & Automated Mobility

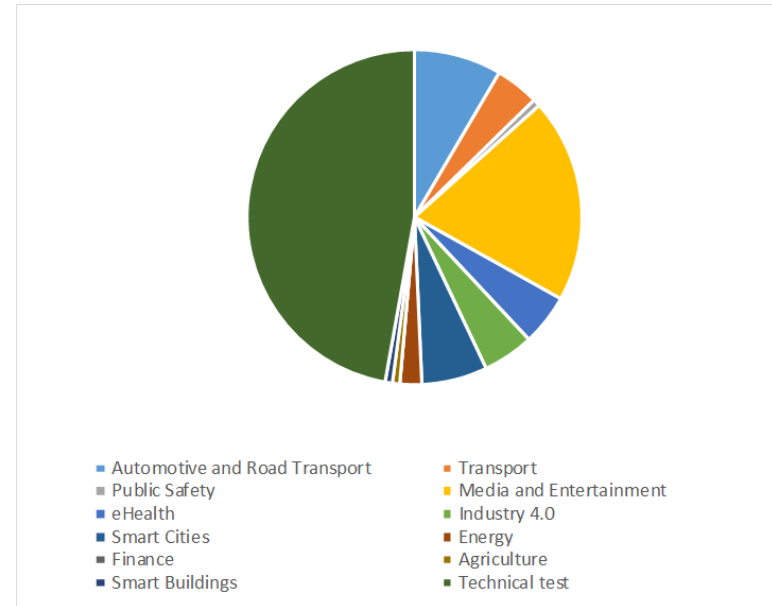


Europe in “full speed”

Clear “vertical industry” dimension

- Proves true **disruptive** nature of 5G
- Catalyst for next wave of **digital transformation**

5G Private Trials per Category



Europe in “full speed”

Fast progress on EU framework conditions for 5G

- 5G Action Plan / New Reg. Fram.
- All main EU countries have detailed national deployment roadmaps
- Strong auction activities

Spectrum

- 5G pioneer bands identified in Europe (700 MHz, 3.6 GHz and 26 GHz)
- Common roadmap for the availability of spectrum adopted by all EU countries
- Consultations on spectrum assignments launched by Member States: Denmark-700 MHz & 900 MHz & 2300 MHz, Germany-2 GHz & 3.6 GHz, France-3.5 GHz & 26 GHz, Lithuania-3.5 GHz, Luxembourg-700 MHz & 26 GHz, Malta-700 MHz, Poland-700 MHz & 3.5 GHz & 26 GHz, Portugal-700 MHz, Romania-700 MHz, Slovakia-26 GHz, Slovenia, UK-26 GHz. Consultation held in Sweden-3.6 GHz & 26 GHz.
- 3.5 GHz spectrum already assigned in 9 countries: Czech Rep., Finland, Hungary, Ireland, Italy, Latvia, Slovakia, Spain, UK.
- 700 MHz spectrum already assigned in Finland, France and Germany (auction in Dec. 2018 in Sweden)

Europe in “full speed”

Operator	Country	Commercial launch details
	Germany	<ul style="list-style-type: none"> ▪ \$5 bn/year investment in 5G until at least 2021 ▪ 27,000 mobile base stations are being equipped for first 5G applications by 2020 (+ additional built-up 2000 stations annually instead of 500) ▪ 20 5G sites in Berlin (June 2018), 70 cells are to be installed in the coming months
	Belgium, France, Romania	<ul style="list-style-type: none"> ▪ Not announced yet ▪ Many tests in Belgium, France, Romania
	Spain, Germany...	<ul style="list-style-type: none"> ▪ Not announced yet ▪ Many tests in Spain and Germany (including Fixed Wireless Access)
	Multiple	<ul style="list-style-type: none"> ▪ 2019 commercial launch in Europe ▪ As soon as devices are available ▪ 1000 5G cell sites in 2020
 	UK	<ul style="list-style-type: none"> ▪ BT is looking to launch 5G services in late 2019 ▪ Three UK committed to invest over £2bn into 5G
	Finland, Norway, Sweden	<ul style="list-style-type: none"> ▪ 5G commercial launch announced for 2019

5G global cooperation, a success story!

- Unprecedented “alignment” between Regions re. time frame and standards
- Effective global synergy between industry and government levels
- In Europe, 5G-PPP has already delivered on its main promises & we are considering big plans for the future
- What about “6G” ? Shall we do it again...?



**Thank you,
and be very welcome to
the European Union
in June 2019!**

Visit the



Announcing the 7th
**Global 5G
Event**
Enabling digital change
17-18 June 2019, Valencia, Spain*

Supported by the

5G IA IMT-2020 5G Forum 5G M 5G BRASIL 5G Americas

* To be held in conjunction with EUCNC 2019

The poster features a dark blue background with a globe in the center, surrounded by stylized world maps. The text is white and yellow. At the bottom, there are logos for various organizations and a note about the event's conjunction with EUCNC 2019.